



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Wei-Yu Lo, et al.
 Serial No. : 09/778,516
 Filed : February 7, 2001
 Title : LAC SHUTTLE VECTORS

Art Unit : 1632
 Examiner : Pappu, Sita S.

BOX SEQUENCE

U.S. Patent and Trademark Office
 P.O. Box 2327
 Arlington, VA 22202

**TRANSMITTAL OF SUBSTITUTE SEQUENCE LISTING
 AND RELATED MATERIALS**

Applicants submit herewith a substitute Sequence Listing as required under 37 CFR §1.823(a), a statement under 37 CFR §1.821(f), and a Sequence Listing in computer readable form as required by 37 CFR §1.824.

Applicants respectfully request entry of the paper copy and computer readable copy of the Sequence Listing filed herewith for the instant application. Furthermore, applicants request entry of the following amendments.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the BOX SEQUENCE, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202.

Date of Deposit

April 22, 2002

Signature

Deborah R. East

Typed or Printed Name of Person Signing Certificate

DEBORAH R. EAST

Applicant : Wei-Yu Lo et al.
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Filed : February 7, 2001
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Attorney's Docket No.: 12875-002001 / 0643-5299US

REMARKS

Applicants hereby submit that the enclosures fulfill the requirements under 37 C.F.R. §1.821-1.825. The amendments in the specification replace the original Sequence Listing with an amended substitute Sequence Listing.

The nucleic acid sequence depicted in Figures 6A-6G was repeated in the original Sequence Listing as both SEQ ID NOs: 1 and 2. As a result, the nucleic acid sequence depicted in Figures 5A-5G (i.e., SEQ ID NO:1) was omitted from the original Sequence Listing. Applicants file herewith a substitute Sequence Listing containing revised SEQ ID NO:1.

Please apply any charges to Deposit Account No. 06-1050, referencing attorney docket no. 12875-002001.

Respectfully submitted,

Date: 4-22-02

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Examiner : Unknown

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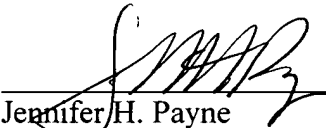
VERIFIED STATEMENT UNDER 37 CFR §1.821(f)

I, Jennifer H. Payne, declare that I personally prepared the paper and the computer-readable copy of the Sequence Listing filed herewith for the above-identified application and that the content of both is the same.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of The United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date:

March 5, 2002


Jennifer H. Payne

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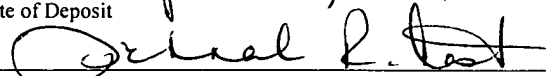
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DEBORAH R. WAST